OPPENHEIMER WOLFF & DONNELLY LLP Telephone No : (850) 320-4000 Title: A METHOD FOR PROVIDING DATA SERVICES FOR A LARGE NUMBER OF SMALL-SIZED DATA FILES Inventor(s) Khoi Hoang Attorney Docket No.: 60595-301901 Application No.:Not Assigned Yet Sheet 1 of 12 Filing Date: 11/28/2001 Express Mail No.: EL655033954US

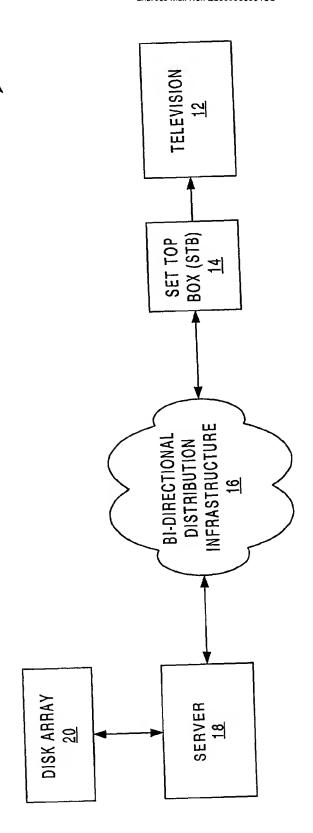
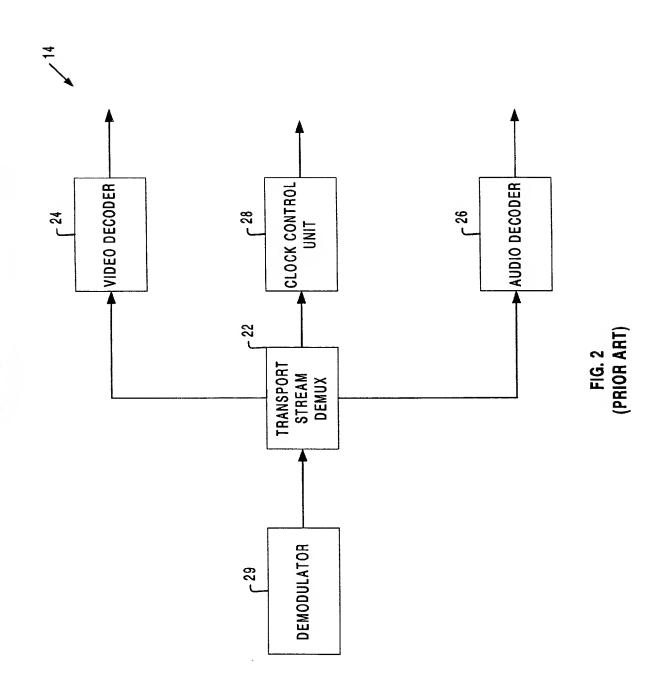


FIG. 1 (PRIOR ART)

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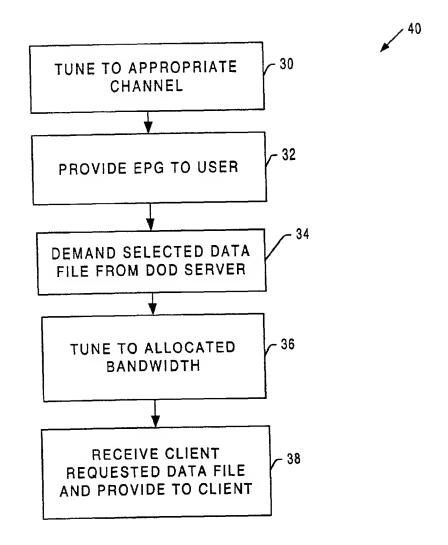


FIG. 3 (PRIOR ART)

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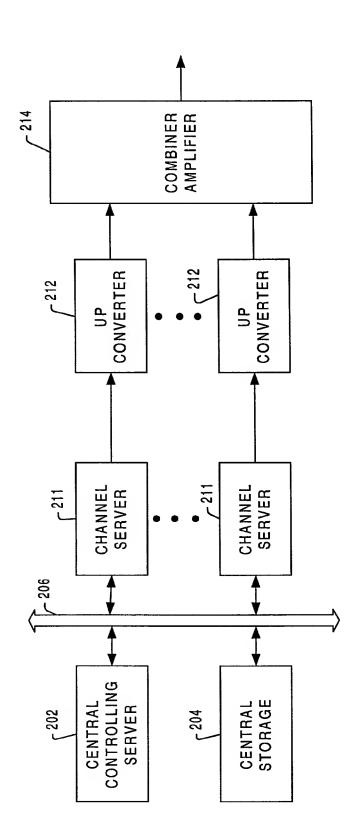


FIG. 4

i 4.

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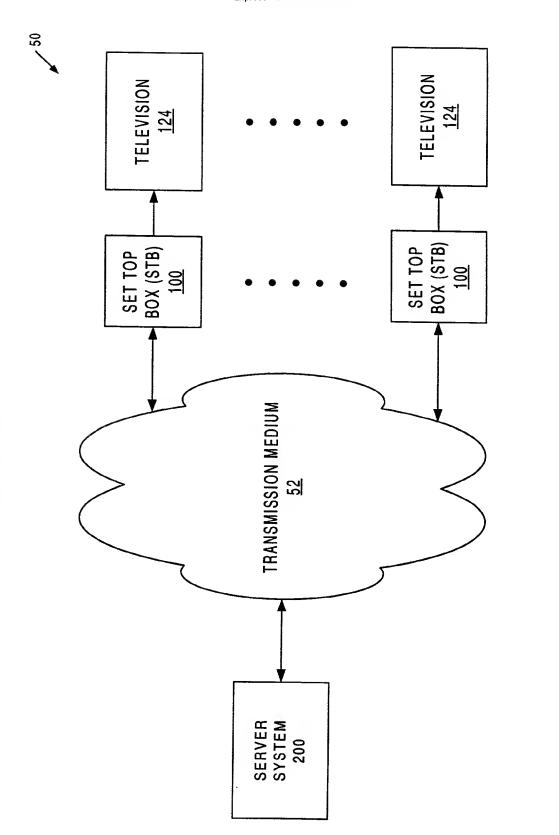
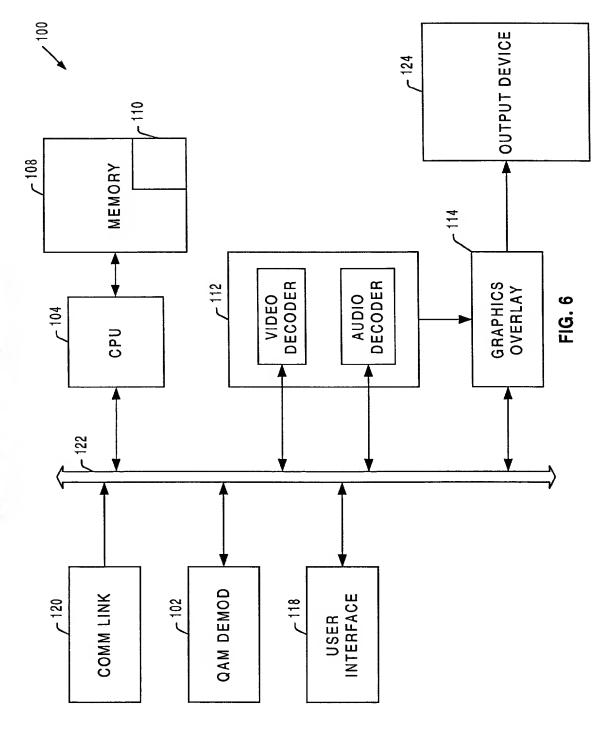


FIG. 5

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STB EXECUTES AND DISPLAYS
SELECTED TITLE

FIG. 7

State State State State State

1100

j.<u>i</u>

4. 1. 1. 4. 4. 1. 1. 1. 4. OPPENHEIMER WOLFF & DONNELLY LLP Telephone No.: (650) 320-4000 Title: A METHOD FOR PROVIDING DATA SERVICES FOR A LARGE NUMBER OF SMALL-SIZED DATA

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STB RECEIVES EPG PROGRAM

FROM DOD BROADCAST

300

- 302

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FILES

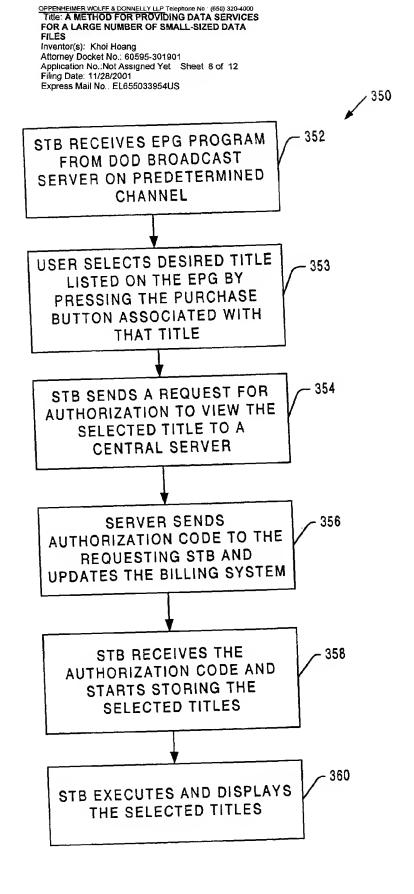
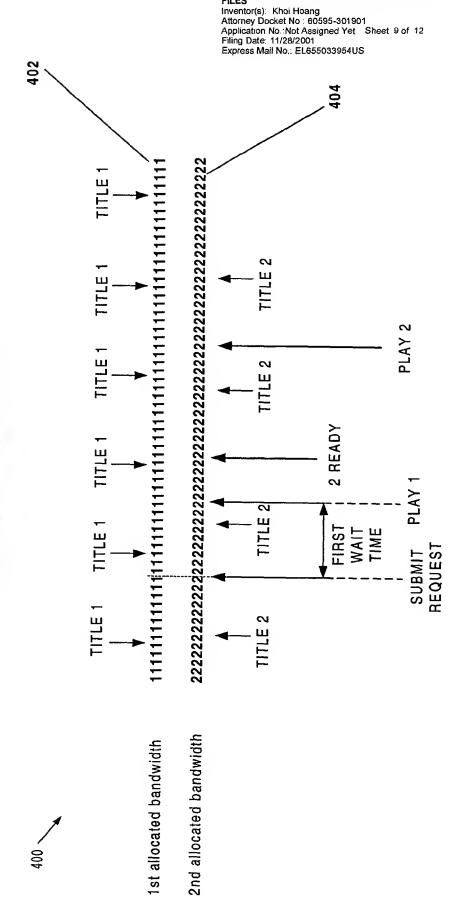


FIG. 7A



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FIG.8

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2nd allocated bandwidth 1st allocated bandwidth 4444...5555555...66666...777777...44444...5555555...66666...777777...44444 1111...222222...33333...1111...222222...33333...1111...222222...33333...1111

t 210 t 206 t 508

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502

L 518

**6** 516

**L** 514

**C** 512

**L** 518

L 514

FIG.9

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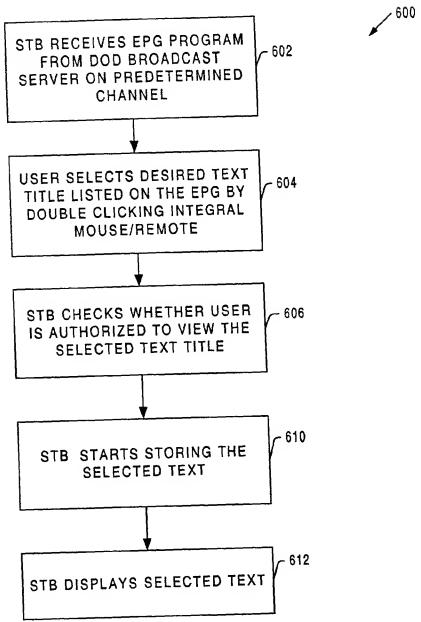


FIG. 10

Inventor(s): Khoi Hoang Attorney Docket No.: 60595-301901 Application No. Not Assigned Yet Sheet 12 of 12 Filing Date: 11/28/2001 Express Mail No.: EL655033954US 700 STB RECEIVES TEXT PAGE FROM DOD BROADCAST ~ 702 SERVER CONTAINING AN INTERACTIVE TRANSACTION **FEATURE** STB DISPLAYS SELECTED TEXT - 704 PAGE AND INTERACTIVE TRANSACTION FEATURE TO USER USER SELECTS DESIRED TEXT TRANSACTION FEATURE BY 706 DOUBLE CLICKING INTEGRAL MOUSE/REMOTE STB SENDS A MESSAGE CORRESPONDING TO THE <del>-- 708</del> SELECTED TEXT TRANSACTION FEATURE TO A LOCATION CORRESPONDING TO THE SELECTED FEATURE ~710 RECEIVING SITE PERFORMS TASK INDICATED BY SELECTED TRANSACTION FEATURE

P Telephone No., (650) 320-4000

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**FILES** 

FIG. 11